

IN THE CLAIMS:

Please amend the claims as follows.

1-2. (Cancelled).

3. (Currently Amended) ~~The method of claim 1,~~ A method of rendering a scene, the method comprising:

obtaining first information including a part of a MPEG-4 BIFS scene description stream and at least one coded MPEG-4 media stream;

decoding the first information using a BIFS scene decoder and one or more specific application decoders associated with the scene description;

obtaining second information including a second part of a BIFS scene description stream that contains a reference to an external application, wherein the reference to an external application includes a coded representation of a Universal Resource Locator relating to a location where software for the external application decoder resides;

decoding the second information using the BIFS scene decoder and an external application decoder;

composing an integrated scene including one or more decoded MPEG-4 media objects and one or more external application objects specified in the decoded scene description streams; and

rendering the composed integrated scene.

4-5. (Cancelled)

6. (Currently Amended) ~~The method of claim 1,~~ A method of rendering a scene, the method comprising:

obtaining first information including a part of a MPEG-4 BIFS scene description stream and at least one coded MPEG-4 media stream;

decoding the first information using a BIFS scene decoder and one or more specific application decoders associated with the scene description;

obtaining second information including a second part of a BIFS scene description stream that contains a reference to an external application, wherein the reference to an external application includes a start time and a stop time;

decoding the second information using the BIFS scene decoder and an external application decoder;

composing an integrated scene including one or more decoded MPEG-4 media objects and one or more external application objects specified in the decoded scene description streams;

rendering the composed integrated scene; and wherein the method includes

starting the external application decoder at the start time; and
stopping the external application decoder at the stop time.

7. (Currently Amended) The method of claim 1, A method of rendering a scene, the method comprising:

obtaining first information including a part of a MPEG-4 BIFS scene description stream and at least one coded MPEG-4 media stream;

decoding the first information using a BIFS scene decoder and one or more specific application decoders associated with the scene description;

obtaining second information including a second part of a BIFS scene description stream that contains a reference to an external application, wherein the reference to an external application includes description information;

decoding the second information using the BIFS scene decoder and an external application decoder;

composing an integrated scene including one or more decoded MPEG-4 media objects and one or more external application objects specified in the decoded scene description streams;

rendering the composed integrated scene; and wherein the method includes

displaying a prompt in the scene based on the description information.

8. (Cancelled)

9. (Currently amended) ~~The method of claim 1, wherein the method further comprises:~~ A method of rendering a scene, the method comprising:

obtaining first information including a part of a MPEG-4 BIFS scene description stream and at least one coded MPEG-4 media stream;

decoding the first information using a BIFS scene decoder and one or more specific application decoders associated with the scene description;

obtaining second information including a second part of a BIFS scene description stream that contains a reference to an external application;

decoding the second information using the BIFS scene decoder and an external application decoder;

composing an integrated scene including one or more decoded MPEG-4 media objects and one or more external application objects specified in the decoded scene description streams;

rendering the composed integrated scene;

receiving information signaling that the external application decoder should run in the background; and

signaling the external application decoder to relinquish an application window and continue to run.

10-16. (Cancelled)

17. (Currently Amended) ~~The article of manufacture of claim 15, An article of manufacture comprising a computer-readable medium having stored thereon instructions adapted to be executed by a processor, the instructions which, when~~

executed, cause the processor to:

obtain information including a part of a MPEG-4 BIFS scene description stream, at least one coded MPEG-4 media stream, and a reference to an external application, wherein the reference to an external application includes a coded representation of a Universal Resource Locator relating to a location where software for the external application resides;

decode said information obtained;

compose an integrated scene including one or more decoded MPEG-4 media objects and one or more external application objects specified in the decoded information; and

render the composed integrated scene.

18. (Currently Amended) The article of manufacture of claim 15, An article of manufacture comprising a computer-readable medium having stored thereon instructions adapted to be executed by a processor, the instructions which, when executed, cause the processor to:

obtain information including a part of a MPEG-4 BIFS scene description stream, at least one coded MPEG-4 media stream, and a reference to an external application, wherein the reference to an external application integration includes a start time and a stop time;

decode said information obtained;

compose an integrated scene including one or more decoded MPEG-4 media objects and one or more external application objects specified in the decoded information;

render the composed integrated scene,;

and wherein the instructions stored on the computer-readable medium further include instructions adapted to be executed by the processor to

start the external application at the start time; and

stop the external application at the stop time.

19. (Original) The article of manufacture of claim 18, wherein the reference to an external application includes description information, and wherein the instructions stored on the computer-readable medium further include instructions adapted to be executed by the processor to display a prompt in the scene based on the description information.

20-23. (Cancelled)

24. (Currently Amended) The method of claim 23, A method of rendering a scene, the method comprising:

obtaining first information including a part of a MPEG-4 BIFS scene description stream and at least one coded MPEG-4 media stream;

decoding the first information using a BIFS scene decoder and one or more specific application decoders associated with the scene description;

composing and rendering a scene including one or more decoded MPEG-4 media objects specified in the decoded scene description streams;

detecting user interaction with the scene requesting activation of an external application;

obtaining second information including a second part of a BIFS scene description stream that contains a reference to the external application, wherein the reference to an external application includes information corresponding to an ApplicationWindow node, wherein the information corresponding to an

ApplicationWindow node includes information identifying a location for an application window within the scene and information identifying dimensions of an application window, and wherein the information corresponding to an

ApplicationWindow node includes a start time and a stop time;

decoding the second information using the BIFS scene decoder and an external application decoder;

re-composing the scene by integrating a sub-scene specified by the decoded second information into the scene;

rendering the re-composed scene, and wherein the method includes
starting the external application at the start time; and
stopping the external application at the stop time.

25. (Currently Amended) The method of claim 23, A method of rendering a scene,
the method comprising:

obtaining first information including a part of a MPEG-4 BIFS scene
description stream and at least one coded MPEG-4 media stream;

decoding the first information using a BIFS scene decoder and one or
more specific application decoders associated with the scene description;

composing and rendering a scene including one or more decoded MPEG-
4 media objects specified in the decoded scene description streams;

detecting user interaction with the scene requesting activation of an
external application;

obtaining second information including a second part of a BIFS scene
description stream that contains a reference to the external application, wherein
the reference to an external application includes information corresponding to an
ApplicationWindow node, wherein the information corresponding to an
ApplicationWindow node includes information identifying a location for an
application window within the scene and information identifying dimensions of an
application window, and, wherein the information corresponding to an
ApplicationWindow node includes description information;

decoding the second information using the BIFS scene decoder and an
external application decoder;

re-composing the scene by integrating a sub-scene specified by the
decoded second information into the scene;

rendering the re-composed scene; and wherein the method includes
displaying a prompt in the scene based on the description information.

26. (Cancelled)

27. (Currently Amended) The method of claim 23, A method of rendering a scene, the method comprising:

obtaining first information including a part of a MPEG-4 BIFS scene description stream and at least one coded MPEG-4 media stream;

decoding the first information using a BIFS scene decoder and one or more specific application decoders associated with the scene description;

composing and rendering a scene including one or more decoded MPEG-4 media objects specified in the decoded scene description streams;

detecting user interaction with the scene requesting activation of an external application;

obtaining second information including a second part of a BIFS scene description stream that contains a reference to the external application, wherein the reference to an external application includes information corresponding to an ApplicationWindow node, wherein the information corresponding to an ApplicationWindow node includes information identifying a location for an application window within the scene and information identifying dimensions of an application window;

decoding the second information using the BIFS scene decoder and an external application decoder;

re-composing the scene by integrating a sub-scene specified by the decoded second information into the scene;

rendering the re-composed scene; wherein the method further comprises: receiving information signaling that the external application should run in the background; and

signaling the external application to relinquish an application window and continue to run.